

What is Claimed is:

1. A method of bonding a fluoropolymer to a substrate comprising:
forming a mixture including a fluoropolymer and a bonding composition, the bonding
composition including an amine and a light-absorbing compound selected from the group
5 consisting of an ammonium compound, a phosphonium compound, a sulfonium compound, a
sulfoxonium compound, an iodonium compound, an arsonium compound, and combinations
thereof; and
contacting a surface of the mixture with a surface of a second component; and
exposing the bonding composition to actinic radiation.
- 10 2. The method of claim 1, wherein the light-absorbing compound includes an ammonium compound.
3. The method of claim 1, wherein the light-absorbing compound includes a phosphonium compound.
- 15 4. The method of claim 1, wherein the amine is selected from the group consisting of a primary amine, an amino-substituted organosilane, and combinations thereof.
5. The method of claim 4, wherein the amine is an alkylamine.
6. The method of claim 5, wherein the alkylamine is a fluoroalkylamine.
- 20 7. The method of claim 1, wherein the amine is an amino-substituted organosilane having a hydrolyzable substituent.
8. The method of claim 1, wherein the bonding composition includes a vinyl silane.
9. The method of claim 1, wherein the fluoropolymer is a perfluorinated polymer.
10. The method of claim 1, wherein the fluoropolymer is a partially fluorinated polymer.

11. The method of claim 1, wherein the bonding composition is exposed to actinic radiation through the fluoropolymer.

12. The method of claim 1, wherein the actinic radiation has a wavelength maximum of between 190 nm and 400 nm.

5 13. The method of claim 1, wherein the actinic radiation has a wavelength maximum of between 210 nm and 290 nm.